



UNMC0027.ST25.txt

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<120> Coxsackievirus Vectors And Their Use In Prevention And Treatment Of Disease

<130> UNMC0027

<140> 09/817,748

<141> 2001-03-27

<150> 09/403,672

<151> 2000-03-27

<150> PCT/US98/04291

<151> 1998-03-05

<150> 08/812,121

<151> 1997-03-05

<160> 28

<170> PatentIn version 3.1

<210> 1

<211> 85

<212> DNA

<213> Coxsackievirus

<400> 1

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gaactacagg gtaatgggtc tcaac 85

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<211> 80

<212> DNA

<213> Coxsackievirus

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gtggggaact acagggtagt 80

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<212> PRT

<213> Coxsackievirus

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Ser Gly Val Thr Thr Thr Arg Gln Ser Ile Thr Thr Met Thr Asn Thr  
1 5 10 15

Gly Ala Phe Gly Gln Gln Ser Gly Ala Val Thr Leu Glu Met Pro Gly  
20 25 30

Ser Ala

<210> 4

<211> 25

<212> PRT  
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Met Lys Ser Asn Ser Ile Thr Thr Met Thr Asn Thr Gly Ala Phe Gly  
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Gln Gln Ser Gly Ala Val Tyr Val Gly  
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27

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28

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 <212> DNA  
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74

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60

ag

62

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 <212> PRT  
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Asn Thr Gly Ala Phe  
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<210> 10  
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Tyr Arg Val Met Gly Leu Asn Tyr Ser Ile Thr  
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<210> 11  
<211> 58  
<212> PRT  
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Ser Gly Val Thr Thr Thr Arg Gln Ser Ile Thr Thr Met Thr Asn Thr  
1 5 10 15

Gly Ala Phe Gly Gln Gln Ser Gly Ala Val Thr Leu Glu Asp Pro Arg  
20 25 30

Val Pro Ser Ser Asn Ser Ile Thr Thr Met Thr Asn Thr Gly Ala Phe  
35 40 45

Gly Gln Gln Ser Gly Ala Val Tyr Val Gly  
50 55

<210> 12  
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<212> PRT  
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Ser Gly Val Thr Thr Thr Arg Gln Ser Ile Thr Thr Met Thr Asn Thr  
1 5 10 15

Gly Ala Phe Gly Gln Gln Ser Gly Ala Val Thr Leu Glu Met Pro Gly  
20 25 30

Ser Ala Met Lys Ser Asn Ser Ile Thr Thr Met Thr Asn Thr Gly Ala  
35 40 45

Phe Gly Gln Gln Ser Gly Ala Val Tyr Val Gly  
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<210> 13  
<211> 69  
<212> DNA  
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tttcaagga 69

<210> 14  
<211> 55  
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<210> 15  
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<400> 15

Met Gly Asn Ser Ser Ser Val Pro Gly Asp Pro Leu Glu Ser Thr Cys  
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Arg His Ala Gly Phe Gln Gly  
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<210> 16  
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Met Gly Asn Ser Ser Ser Met Pro Gly Met Lys Ser His Ala Gly Phe  
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Gln Gly

<210> 17  
 <211> 138  
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 ttggacaatc aggggcag 138

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Thr Thr Arg Gln Ser Ile Thr Thr Met Thr Asn Thr Gly Ala Phe Gly  
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Gln Gln Ser Gly Ala Val Ser Asp Pro Glu Phe Cys Arg Cys Ile Thr  
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Thr Met Thr Asn Thr Gly Ala Phe Gly Gln Ser Gly Ala Val  
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Ile Thr Thr Met Thr Asn Thr Gly Ala Phe Gly Gln Gln Ser Gly Ala  
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Val Ser Asp Pro Arg Ile Ser Cys Arg Ile Thr Thr Met Thr Asn Thr  
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Gly Ala Phe Gly Gln Gln Ser Gly Ala  
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<210> 21  
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<212> DNA  
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tttgaacgac cggcaaggca atgctactaa accaaaagt gttttgtaca gtgaagatgt 180  
aaatatggaa accccagaca cacatctgtc tgactgcagg attacaacta tgactaacac 240  
cggggccttc ggtcagcaga gtggggca 268

<210> 22  
<211> 89  
<212> PRT  
<213> Cocksackievirus

<400> 22

Ile Thr Thr Met Thr Asn Thr Gly Ala Phe Gly Gln Gln Ser Gly Ala  
1 5 10 15

Val Ser Asp Pro Asp Glu Lys Gly Val Pro Leu Pro Lys Val Asp Leu  
20 25 30

Gln Phe Phe Ser Asn Thr Thr Ser Leu Asn Asp Arg Gln Gly Asn Ala  
35 40 45

Thr Lys Pro Lys Val Val Leu Tyr Ser Glu Asp Val Asn Met Glu Thr  
50 55 60

Pro Asp Thr His Leu Ser Asp Cys Arg Ile Thr Thr Met Thr Asn Thr  
65 70 75 80

Gly Ala Phe Gly Gln Gln Ser Gly Ala

<210> 23  
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 <212> DNA  
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<400> 23  
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31

<210> 24  
 <211> 30  
 <212> DNA  
 <213> Cocksackievirus

<400> 24  
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30

*A*  
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 <210> 25  
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 <212> DNA  
 <213> Cocksackievirus

<400> 25  
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<210> 26  
 <211> 21  
 <212> DNA  
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<400> 26  
 gtgctcacta agaggtctct g

21

<210> 27  
 <211> 49  
 <212> DNA  
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<400> 27  
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49

<210> 28  
 <211> 16  
 <212> PRT  
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<400> 28

Ile Thr Thr Met Thr Asn Thr Gly Ala Phe Gly Gln Gln Ser Gly Ala  
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